

MICHIGAN DEPARTMENT OF CIVIL SERVICE
JOB SPECIFICATION

ENGINEER SPECIALIST-LICENSED

JOB DESCRIPTION

Employees in this job function as professional licensed engineering specialists with responsibility for an engineering program or specialty area, or as an administrative assistant to an administrator or executive. Positions are (1) designated as specialists by the Appointing Authority; (2) accepted and classified by Civil Service; (3) require advanced knowledge in the field of work; (4) responsible for highly complex assignments; (5) the scope of responsibility is significant; and (6) the job function has considerable impact within the department. Typically, positions in this job do not supervise.

There are three classifications in this job.

Position Code Title – Engineering Licensed Specialist 2

Engineering Licensed Specialist 13

The employee functions as a second-level specialist or as an administrative assistant to an office director, division director, or equivalent-level administrator.

Position Code Title – Engineering Licensed Specialist 3

Engineering Licensed Specialist 14

The employee functions as a third-level specialist or as an administrative assistant to a bureau director or equivalent-level executive.

Position Code Title – Engineering Licensed Specialist 4

Engineering Licensed Specialist 15

The employee functions as a fourth-level specialist or as an administrative assistant to an executive.

First-level specialists are classified at the advanced level of the Engineer job.

JOB CONCEPTS

Specialist jobs are evaluated by the appointing authority using the ECP Group Two Professional Specialist Position Evaluation Worksheet to recommend the appropriate classification level. Civil Service reviews the factors for job complexity, the scope of the program or specialty, and the impact of the job functions to determine the classification level. There are two types of specialist jobs:

Program Specialist: The predominant and essential function of the job is its assigned responsibility for an accepted program that is statewide, department-wide, agency-wide, or the equivalent scope. Such jobs are responsible for highly

ENGINEER SPECIALIST-LICENSED

PAGE NO. 2

complex assignments that have considerable impact and are one-of-a-kind within the organization.

Staff Specialist: The predominant and essential function of the job is to serve as an expert in a particular specialty area or professional discipline that is statewide, department-wide, agency-wide, or the equivalent scope. Such positions are responsible for highly complex assignments that have considerable impact and are one-of-a-kind within the organization.

Administrative Assistant jobs have the predominate and essential function to advise and assist an administrator or executive in all areas for which the official is responsible. The positions report directly to the official in a staff capacity, and are typically involved in budget development, program planning, policy and procedures development, representing the official at meetings and otherwise assisting in all areas of the official's responsibilities.

JOB DUTIES

NOTE: The job duties listed are typical examples of the work performed by positions in this job classification. Not all duties assigned to every position are included, nor is it expected that all positions will be assigned every duty.

Administrative Assistant

Advises and assists the official in all areas of responsibility.

Carries out special projects as assigned by the official.

Assists in program planning, policy, and procedures development.

Participates in budget development.

Represents the official at meetings.

Specialist

Recommends and formulates procedures, policies, and guidelines for assessment programs. Serves as "responsible in charge" over the assigned program area under direction of an administrative or executive level supervisor.

Manages an assigned program in order to carry out the department's statutory responsibilities, which may include consultation, investigation, evaluation, and plan design.

"Responsible in charge" for the development and maintenance of an assigned professional engineering program.

Develops professional engineering program goals and plans for implementation.

ENGINEER SPECIALIST-LICENSED

PAGE NO. 3

Makes recommendations in areas of expertise.

Expert responsible for the coordination and development of professional engineering training program staff.

Acts as a liaison with other agencies, organizations, and employees to coordinate technical programs.

Serves as a technical consultant and liaison staff to industry and governmental agencies in the assigned areas.

Conducts special reports.

Prepares special studies and reports.

Maintains records, and prepares reports and correspondence related to the work.

May perform related essential functions appropriate to the class and other non-essential functions as required.

JOB QUALIFICATIONS

Knowledge, Skills, and Abilities

NOTE: The degree of knowledge required is a function of job complexity, program or specialty scope, and impact that increases with the level of the position.

Specialist

Knowledge of the operational and technical problems involved in the administration of a specialized program.

Knowledge of the assigned program specialty.

Knowledge of methods of planning, developing, and administering programs.

Knowledge of state, federal, and local laws, and legislative processes related to the work.

Knowledge of reporting methods and techniques.

Knowledge of the principles and practices of engineering.

Knowledge of terminology and symbols used in engineering, drafting, and design.

Knowledge of the equipment, testing, and investigative methods and laboratory procedures related to engineering.

Knowledge of engineering office practices.

ENGINEER SPECIALIST-LICENSED

PAGE NO. 4

Knowledge of training techniques.

Ability to plan, direct, and coordinate program and administrative activities of a complex, interrelated, and interdependent nature where unknowns and numerous contingency factors are involved.

Ability to formulate policies and procedures relevant to program areas based on information of a conceptual nature from varied and complex sources.

Ability to plan, coordinate, and expedite work projects.

Ability to interpret complex rules and regulations.

Ability to communicate with others verbally and in writing.

Ability to instruct others.

Ability to perform research work and to make comprehensive recommendations on engineering issues.

Ability to make mathematical computations and to design engineering projects.

Ability to read, interpret, and prepare engineering plans, specifications and technical reports.

The legal ability to carry the embossed or printed seal of a Michigan licensed professional engineer.

Ability to organize, evaluate, and present information effectively.

Ability to promote and maintain favorable public relations.

Working Conditions

None.

Physical Requirements

None.

Education

Possession of a bachelor's of science degree in engineering.

ENGINEER SPECIALIST-LICENSED

PAGE NO. 5

Experience

Engineering Licensed Specialist 13

Four years of experience as an engineer, including two years of experience equivalent to an Engineer P11.

OR

One year of experience equivalent to an Engineer 12.

Engineering Licensed Specialist 14

Five years of experience as an engineer, including three years of experience equivalent to an Engineer P11.

OR

Two years of experience equivalent to an Engineer 12.

OR

One year of experience equivalent to an Engineering Licensed Specialist 13 or Engineering Specialist 13.

Engineering Licensed Specialist 15

Three years of experience equivalent to an Engineer 12.

OR

Two years of experience equivalent to an Engineering Licensed Specialist 13 or Engineering Specialist 13.

OR

One year of experience equivalent to an Engineering Licensed Specialist 14 or Engineering Specialist 14.

Special Requirements, Licenses, and Certifications

Possession of a registered professional engineering license as required by the state of Michigan.

NOTE:

Equivalent combinations of education and experience that provide the required knowledge, skills, and abilities will be evaluated on an individual basis.

ENGINEER SPECIALIST-LICENSED

PAGE NO. 6

JOB CODE, POSITION TITLES AND CODES, AND COMPENSATION INFORMATION

<u>Job Code</u>	<u>Job Code Description</u>	
ENGLICSPL	Engineer Specialist-Licensed	
<u>Position Title</u>	<u>Position Code</u>	<u>Pay Schedule</u>
Engineering Licensed Specialist 2	ENLSPL2	H21-029
Engineering Licensed Specialist 3	ENLSPL3	H21-030
Engineering Licensed Specialist 4	ENLSPL4	H21-031

ECP Group 2
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TK/Team Leaders